

IN THE CLAIMS

Claims 11-35 are pending in this application as follows:

1-10. Canceled.

11. (Previously Presented) A map display method for detecting the present position of a vehicle and displaying a road map including a vehicle position mark indicating the present position of the vehicle and a guide route along which the vehicle runs, comprising the steps of:

preparing a summarized map indicating the guide route with a summarization degree corresponding to a distance from the present vehicle position to a destination or a running speed of the vehicle;

displaying the summarized map thus prepared on a display means; and

giving priorities to roads including each road traversed along the guide route, at least one main road and branch roads in that order in the summarized map;

storing an ID for identifying road data for each of the roads being given priorities, categories indicating road types for the roads, and the priorities set for the roads in a table,

wherein the priorities in said table set for the roads traversed along the guide route and crossing roads intersecting with the guide route in the main road and the branch roads are changed in accordance with a change in the guide route and the crossing roads existing in an area displayed in the summarized map due to a change in the present position and the running speed of the vehicle,

wherein the summarized map is prepared by selecting at least one road on the guide route and at least one road of the crossing roads from the roads based on the changed priorities, and

wherein the number of objects or occupied area ratio displayed is changed in accordance with the running speed of the vehicle by using the changing priorities.

12. (Previously Presented) A map display method according to Claim 11,

wherein the map is summarized always with the objects therein not more than a predetermined limit amount.

13. (Previously Presented) A map display method according to Claim 11,

wherein the limit amount of the objects in the map is predetermined, and the summarized map is prepared with the objects displayed therein always not more than the limit amount.

14. (Previously Presented) A map display method according to Claim 11, wherein two screens including the summarized map and a road map of another display form can be displayed.
15. (Previously Presented) A map display method according to Claim 12, wherein two screens including the summarized map and a road map of another display form can be displayed.
16. (Previously Presented) A map display method according to Claim 14, wherein the road map of the another display form is a local plane map of neighborhood of the present vehicle position.
17. (Previously Presented) A map display method according to Claim 15, wherein the road map of the another display form is a local plane map of neighborhood of the present vehicle position.
18. (Previously Presented) A map display method according to Claim 16, wherein a contraction scale of the local plane map is variable.
19. (Previously Presented) A map display method according to Claim 17, wherein a contraction scale of the local plane map is variable.
20. (Previously Presented) A map display method according to Claim 12,
wherein the limit amount is the number of the objects or a ratio of an area of the display means occupied by the objects.
21. (Previously Presented) A map display method according to Claim 13,
wherein the limit amount is the number of the objects or a ratio of an area of the display means occupied by the objects.

22. (Previously Presented) A map display method according to Claim 11,
wherein a range of a display area of the summarized map is changed in
accordance with a running speed of the vehicle.
23. (Previously Presented) A map display method for detecting a present position of a
vehicle and displaying a road map including a vehicle position mark indicating the
present position of the vehicle and a guide route along which the vehicle runs,
comprising the steps of:
preparing a summarized map indicating the guide route with a summarization
degree corresponding to a distance from the present position of the vehicle to a
destination or a running speed of the vehicle;
displaying the summarized map prepared on a display means;
giving priorities to roads including roads traversed along the guide route, a
main road and a branch road in this order in the summarized map;
storing an ID for identifying road data for each of the roads being given
priorities, categories indicating road types for the roads, and the priorities for the
roads in a table,
changing the priorities in said table set for the roads traversed along the guide
route and crossing roads intersecting with the guide route in the main road and the
branch road in accordance with a change in the guide route and the crossing roads
existing in an area displayed in the summarized map due to a change in the present
position and the running speed of the vehicle; and
preparing the summarized map by selecting at least one road on the guide
route and at least one road of the crossing roads from the roads based on the changed
priorities,
changing the number of objects or occupied area ratio displayed in accordance
with the running speed of the vehicle by using the changing priorities, and
wherein a number of the selected roads does not exceed a limit number, the
limit number being predetermined according to the summarization degree.
24. (Previously Presented) A map display method according to Claim 23, further
comprising the step of:
summarizing the map with objects therein, a number of the object being not
more than a predetermined limit amount.

25. (Previously Presented) A map display method according to Claim 23, further comprising the steps of:
 - predetermining a limit amount of objects to be displayed in the map; and
 - preparing the summarized map with objects, a number of the objects displayed therein being not more than the limit amount.
26. (Previously Presented) A map display method according to Claim 23, wherein two screens including the summarized map and a road map are displayed, each of the two screens being displayed in different display forms.
27. (Previously Presented) A map display method according to Claim 24, wherein two screens including the summarized map and a road map are displayed, each of the two screens being displayed in different display forms.
28. (Previously Presented) A map display method according to Claim 26, wherein the road map in one of the display forms is a local plane map of a neighborhood of the present position of the vehicle.
29. (Previously Presented) A map display method according to Claim 27, wherein the road map of one of the display forms is a local plane map of a neighborhood of the present position of the vehicle.
30. (Previously Presented) A map display method according to Claim 28, wherein a contraction scale of the local plane map is variable.
31. (Previously Presented) A map display method according to Claim 29, wherein a contraction scale of the local plane map is variable.
32. (Previously Presented) A map display method according to Claim 24, wherein the limit amount is a number of the objects or a ratio of an area occupied by the objects in the display means.

33. (Previously Presented) A map display method according to Claim 25, wherein the limit amount is a number of the objects or a ratio of an area occupied by the objects in the display means.
34. (Previously Presented) A map display method according to Claim 23, wherein a range of a display area of the summarized map is changed in accordance with the running speed of the vehicle.
35. (Previously Presented) A map display method according to Claim 24, wherein a range of a display area of the summarized map is changed in accordance with the running speed of the vehicle.